

BUSLEN, I.V., ZHUKOV, V.I., PRIZHIVANOV, G.E., KUZNETSOV, V.I.,
Mineralogy of manganese-iron. Zn. Vopr. khim. i geol. 204, 1977
165. (NIR 18:5)

1. Geologicheskoy Institut Kola'skogo filiala AN SSSR.

BUSTA, M:

TECHNOLOGY

Periodicals: ENERGETIKA Vol. 9, No. 2, Feb. 1959.

BUSTA, M.: NESICKY, J.: MARTINEK, J. Problems of planning rural-power lines and power transformers. p. 1

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 5, May 1959, Unclass.

BUSTA, R.

For better evaluation of work, p. 86, SKLAR A KERAMIK (Ministerstvo lehkého průmyslu) Praha, Vol. 4, No. 4, Apr. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 45, No. 12, December 1956

BUSTA, R.

Commitments of the Main Administration of the Glass and Ceramic Industries to the 10th Congress of the Communist Party of Czechoslovakia. p.143

SKLAR A KERAMIK. (Ministerstvo lehkeho prumyslu) Praha

Vol. 4, no. 6, June 1954

East European Accessions List

Vol. 5 No. 1

Jan. 1956

EXCERPTA MEDICA Sec 17 Vol 5/6 Public Health June 59

1723. STUDY OF A STAPHYLOCOCCAL EPIDEMIC IN A MATERNITY CLINIC
AND A WARD FOR NEWBORN INFANTS - Etude d'une épidémie au
staphylocoque dans une maternité et dans une section de nouveaux-nés -
Manoliu N., Bustea Ch., Brăiloiu A. and Stănescu V. -
ARCH. ROUM. PATH. EXP. MICROBIOL. 1957, 16/4 (609-626) Tables 8

In addition to stringent asepsis and antisepsis of the whole hospital staff, limitation
to 24 hr. of the contact of healthy puerperae and newborn infants with the maternity
clinic is recommended, in order to diminish the hazard of infection with the epi-
demic type of staphylococcus. Prophylactic vaccination of pregnant women in the
9th month, and of puerperae with toxoids and stock-vaccines may be considered.
Further bacteriological study of staphylococcal epidemics in hospitals is required.
(XVII, 4*)

STEFANESCO, V.; MANOLIU, N.; MIHAILESCO, Rodica; BUSTEA, Ch.

On changes induced in a culture of pathogenic staphylococci.
Arch. roum. path. exp. microbiol. 23 no.3:579-584 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino", Bucarest, et de l'Hopital
No.12 de Bucarest.

STEFANESCU, V.; MANOLIU, N.; BRAILOIUK A.; BUSTEA, Ch.

On the death mechanism of mice inoculated with pathogen staphylococcal culture by the intrapleural way. Microbiologia (Bucur) 6 no.1:63 Ja-F '61.

1. Institutul "Dr.I.Cantacuzino" si Spitalul de stat nr.12 Bucuresti.

★

MANOLIU, N.; BRAILOIU, A.; BUSTEA, Ch.; STEFANESCU, V.

Evolution of pathogen staphylococcal carriers in the hospital medium during the 1955-1959 period and the attempt to exterminate them by the C₄ detergent. Microbiologia (Bucur) 6 no.1:62 Ja-F '61.

1. Spitalul nr.12 Bucuresti.

✱

STEFANESCU, V.; MANOLIU, N.; BRAILOIU, Al.; BUSTEA, Ch.

A new method for the determination of the pathogenicity of Staphylococcus strains in animals. Rumanian M. Rev. 3 no.1:13-14 Jan-Mar 59.

(MICROCOCCUS

pathogenicity for animals, determ. technic)

(ANIMALS, dis.

micrococcal pathogenicity, determ. technic)

MANOLIU, N.; BRAILOIU, A.; BUSTEA, Gh.; STEFANESCU, V.

Staphylococcal infections and the phage-type. Rumanian M. Rev.
3 no.3:43-44 J1-S '59.

1. State Hospital No.12, Bucharest.
(STAPHYLOCOCCAL INFECTIONS)
(BACTERIOPHAGE)

MANOLIU, N.; STEFANESCO, V.; BUSTEA, Ch.; BRAILOIU, A.

Experimental investigations of antistaphylococcal immunity. Arch.
roum. path. exp. microbiol. 21 no.1:109-114 Mr '62.

1. Travail de l'Hopital No.12 -- Bucarest et de l'Institut
"Dr. I. Cantacuzino".
(STAPHYLOCOCCAL INFECTIONS) (TOXINS AND ANTITOXINS)
(VACCINES)

BUSTEA, Maria, dr.; DABIJA, Viorica, dr.; GHEORGHE, Ileana, dr.;
IONESCU, E., dr.; IONESCU, Zenobia, dr.; LUNGU, Felicia, dr.;
SALOMIN, Nadia, dr.; SAVIN, Valentina, dr.; STANESCU, I., dr.;
STOICA, V., dr.; SERBAN, N., dr.; VISAN, Valeria, dr.

Our results in the treatment of complications of dental caries.
Stomatologia (Bucur) 12 no.1:9-16 Ja-F'65.

1. Colectivul Serviciului de stomatologie al Spitalului unificat de adulti, Constanta.

GORBATSKIY, V.G.; MININ, I.N.; ; AMBARTSUMYAN, V.A., red.; BUSTEL',
E.R., red.; SEVERNYI, A.B., red.; SOBOLEV, V.V., red.;
KULIKOV, G.S., red.; AKSEL'ROD, I.Sh., tekhn. red.

[Nonstable stars] Nestatsionarnye zvezdy. Moskva, Fizmatgiz,
1963. 355 p. (MIRA 16:4)
(Stars, Variable)

BUSTIN, J.; ~~REDACTED~~

TECHNOLOGY

periodicals: INSEMYRSKE STAVBY Vol. 7. no. 3, Mar. 1959

BUSTIN, J.; SUBR, J. A highway bridge with bix girders and an orthotropic slab in Czechoslovakia. p. 07.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

BUSTIN, Jan, inz.

A double railed bridge made from thinwalled U-shaped beams.
Inz stavby 10 no. 2:74-75 F '62.

BUSTIN, Jan, inz.

Space needle. Inz stavby 11 no. 12: 478-479 D '63.

BUSTIN, Jan, inz.

- "Calculation of compound constructions from steel and concrete"
by Herbert Wippel. Reviewed by Jan Bustin. Inz stavby 12 no. 3:
135 Mr '64.

BUSTIN, Jan, inz.

Reinforcement of steel structures by prestressing. Inz stavby 12
no.6:271-275 Je '64.

1. Technical Office of the Vitkovické zelezarny Klementa Gottwalda,
Bratislava.

VINNICHENKO, Yekaterina Fedotovna; VINOKUROVA, Tat'yana Mikhaylovna;
KOMULAYNEN, Al'bertina Andreyevna; NOVITSKAYA, Yuliya Yevokimova;
BUSTROVA, Zoya Aleksandrovna; IVANOVA, A., redaktor; SHEVCHENKO, L.,
tekhnicheskiiy redaktor

[Bringing wild grasses into cultivation] Vvedenie v kul'turu
dikorastushchikh trav. Petrozavodsk, Gos. izd-vo Karelo-Finskoi SSR,
1956. 63 p. (MLBA 9:11)
(Grasses)

BostyR, I.

Page 1 of 1

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HORTOLOMBE, N., academician.; PROCA, Gh.; BUSU, I.; ENESOU, N.; BUSU, Gr.

Reflexes of the collapsed lung; role of the vagus nerves in control of respiration. Bul. stiint., sect. med. 7 no.3:663-672 July-Sept 55

(LUNGS, physiology
reflexes of collapsed lung)
(RESPIRATION, physiology
role of vagus nerves)
(NERVES VAGUS, physiology
resp. regulation, reflexes of collapsed lung)
(REFLEX
reflexes of collapsed lung)

HORTOLOMEI, N.; PROCA, Gh.; BUSU, I.; BUSU, Gr.

Experimental studies of the use of intrapericardial injection of sparteine in throacic surgery. Bul. stiint., sect. med. 9 no.1:71-87 1957.

(THORAX, surgery

exper., eff. of intravenous & intrapericardial inject. of sparteine in prev. of fibrillation & cardiac arrest, comparison)

(SPARTEINE, eff.

prev. of fibrillation & cardiac arrest in thoracic surg., admin., intravenous & intrapericardial inject., comparison, exper. study)

(CARDIAC ARREST

in thoracic surg., prev. with intravenous & intrapericardial inject. of sparteine, comparison, exper. study)

(AURICULAR FIBRILLATION

same)

(VENTRICULAR FIBRILLATION

same)

Busu, I.

Action of procaine on the coagulation of blood. N. Hortolomei, G. Proci, I. Busu, D. Marinescu-Slatina, N. Enescu, and G. Mihail. *Commun. acad. rep. populare Romane* 2, 759-62(1952).—The effect of procaine on the coagulation of blood was studied *in vitro* and by injecting therapeutically used doses in human patients and in dogs. The time of coagulation and of prothrombin were reduced, while the calcemia remained unchanged. The effect of 200 mg. of procaine persisted for about 20-40 min. The procaine also reduced the usual effect of heparin. The fact that it is destroyed in the living organism makes possible the use of large amts. of procaine for anesthesia.

Francois Kertesz

BOSU 1.

✓ The action of procaine on the gastric response during the excitation of the vagus nerve. N. Hortolomei, Gh. Proca, I. Busu, and I. N. Enescu. *Comm. Acad. Rep. Populare Romania* 3, 223-8 (1953).—In studying the effect of procaine (1) on the gastric response at the excitation of the vagus nerve by administering intravenously 50 mg. I per kg. body wt., it was found that I inhibits the effect of the excitation of the vagus nerve on the heart, although this excitation always causes an excito-motor effect on the stomach. Under these conditions the amplitude of the gastric contractions decreases, the latent period of the excitation of the vagus nerve increases, while the inhibiting action of a new excitation occurring at the height of a gastric contraction disappears. The duration of the contraction is also reduced. Thus I is not completely identical to atropine in its action; its effect on the heart is similar, but that on the stomach is not. Splanchnectomized animals do not respond to excitation after I injection. François Kertesz

4

BUSU-I

4
The action of procaine on respiration. N. Hortolungu, Gh. Proca, L. Busu, and I. N. Ruescu. *Comm. Acad. Rep. Populare Romane* 3, 243-40 (1953).--The main action of procaine is not exerted on the afferent part of the respiratory reflexes, but on the central mechanism. During anesthesia an intravenous injection of procaine relieves dyspnea and also suppresses other troubles, such as agitation.

A. Halasz

1402
HORTOLOMEI, N.; academician; PROCA, G.; BUSU, I.; ENESCU, N.I.; LITARCZEK,
G.

Study of reflexes of muscular origin and their effect on respiration.
Bul.stiint., sect. med. 6 no.4:751-768 Oct-Dec. 54 (MLRA 8:8)

(REFLEX

muscular, eff. on resp.)

(RESPIRATION, physiolog.

regulation by musc.reflexes)

Busu, I.

Med

Action of procaine on respiration. II. N. Hortolomei, Gh. Proca, I. Busu, St. Roman, and I. N. Enescu. Comun. Acad. Rep. Populare Romine 5, 173-84 (1955); cf. C.A. 50, 96041.—The main action of procaine (I) is on the central mechanism of respiration especially on the bulbar respiratory center and on the superior coordination system. On the bulb I diminishes the time of apnea. The action of I on the main centers is influenced by the conservation of cortical activity. I raises the frequency of respiration with intact cortex and sectioned pneumogastrics, but in animals without cortex no such raise is observed. I shortens the duration of the reflex apnea by animals with whole cortex, but without cortex no action of I is manifested. I acts on the pneumotaxic centers as in thermal polypnea, lowers the frequency of respiratory movements. The absence of cortex is marked by a stronger lowering of this frequency

A. Halasz

BUSU, I.

HORTOLOMEI, N., academician; PROCA, Gh; BUSU, I.; ENESCU, N.I.

Role of the vagus nerves in control of respiration. Bul.stiint.,
sect.med. 7 no.1: 1-20 Jan-Mar '55.

(NERVES, VAGUS, physiology,
control of resp.)

(RESPIRATION, physiology
control by vagus nerves)

HORTOLONEI, N., academician.; BUSU, Ion.

Role of nervous factors in mechanism of regulation of respiration
in thoracic surgery. Bul. stiint., sect. med. 7 no.2:425-431
Apr-June 55

(THORAX, surg.)

resp. in, regulation by CNS & relation to admin. of anesth.)

(RESPIRATION

regulation by CNS, relation to admin. of anesth. in
thoracic surg.)

(CENTRAL NERVOUS SYSTEM, physiol.

regulation of resp., relation to admin. of anesth. in
thoracic surg.)

(ANESTHESIA, INHALATION

in thoracic surg., admin., relation to CNS regulation
of resp.)

HORTOLOMEI, H.,academician,; PROCA, Gh.,; BUSU, I.,; KHESSOU, H.,; BUSU, Gr.

Reflexes of the collapsed lung; role of the vagus nerves in control of respiration. Bul. stiint., sect. med. 7 no.3:663-672 July-Sept 55

(LUNGS, physiology
reflexes of collapsed lung)
(RESPIRATION, physiology
role of vagus nerves)
(NERVES VAGUS, physiology
resp. regulation, reflexes of collapsed lung)
(REFLIX
reflexes of collapsed lung)

BUSU, I.; PROCA, Gh.; ENESCU, N.

Respiratory and circulatory reflexes originating at the level of the pulmonary artery. Bul. stint., sect. med 8 no.2:358-370 Apr-June 56.

(RESPIRATION, physiol.

reflex regulation, role of baro-receptors of pulm. artery & interaction with circ. reflexes)

(NERVE ENDINGS

baro-receptors of pulm. artery in reflex regulation of resp.)

ROMANIA / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No 46766

Author : Hortolomei, N.; Busu, I.; Constantinescu-Ialomita, Gh.;
Enescu, N. I.

Inst : The Medical Section of the Academy of Sciences People's
Republic of Rumania.

Title : Heterotransfusion Shock. Experimental Studies.

Orig Pub : Bul. stiint, Acad. RPR. Sec. med., 1956, 8, No. 3,
763-774

Abstract : On the basis of tests on blood transfusions to dogs (in
some cases after removal of the cerebral cortex, or after
decerebration) of human blood of various types, or on
perfusing isolated lower extremities (through the femoral
artery and vein), etc., the authors assume that antigen
which is fixed upon the erythrocyte stroma, plays a

Card 1/2

HORTOLOMEI, M., Academician; BUSU, I.; ROMAN, St.

Experimental bases for use of novocaine perfusions in surgery.
Probl. ter., Bucur. 3:231-240 1956.

(PROCAINE, anesthesia & analgesia
admin., indic. & mechanism of action)

BUSU, I.

HORTOLOMEI, N.; BUSU, I.; ROMAN, St.

Experimental support for the use of novocain perfusions in surgery.
Rumanian M. Rev. 1 no.1:81-87 Jan-May 57.
(PROCAINE, anesth. & analgesia
mechanism of action in surg.)

HORTOLOMEI, N.; PROCA, Gh.; BUSU, I.; BUSU, Gr.

Experimental studies of the use of intrapericardial injection of sparteine in thoracic surgery. Bul. stiint., sect. med. 9 no.1:71-87 1957.

(THORAX, surgery

exper., eff. of intravenous & intrapericardial inject. of sparteine in prev. of fibrillation & cardiac arrest, comparison)

(SPARTEINE, eff.

prev. of fibrillation & cardiac arrest in thoracic surg., admin., intravenous & intrapericardial inject., comparison, exper. study)

(CARDIAC ARREST

in thoracic surg., prev. with intravenous & intrapericardial inject. of sparteine, comparison, exper. study)

(AURICULAR FIBRILLATION

same)

(VENTRICULAR FIBRILLATION

same)

HORTOLOMEI, N. [deceased]; BUSU, I.; MIHAIL, Georgeta

Experimental research on the role of the central nervous system in
the mechanism of cardiovascular disorders during the course of anoxia.

Rev. sci. med. 5 no.3/4:181-185 '60.

(ANOXIA exper.) (CENTRAL NERVOUS SYSTEM physiol.)
(CARDIOVASCULAR DISEASES exper.)

KLEINERMAN, L., Conf.; GOLDBERG, V., dr ; BUSU, I., dr.

Treatment of acute and subacute pulmonary hypertension with
ganglionic-blocking agents. Med. intern., Bucur. 11 no.5:739-
743 '60.

1. Lucrare efectuata in Clinica medicala, Spitalul "Bernat Andrei"
Bucuresti, director prof. C.G. Iliescu.
(HYPERTENSION, therapy)
(METHONIUM COMPOUNDS, therapy)

GAVRILOV, N.; FRANZHON, Fransua; BUSUF, Abdel' Khafid; DZHEYMS, Maykl,
amerikanskiy zhurnalist; DEYEV, F.

Sufferings and fortitude of the heroic people of Algeria. Sov.
profsoiuzy 6 no.15:73-80 N '58. (MIRA 11:12)

1.Ministr svyazi i kommunikatsii alzhirskogo pravitel'stva (for
Busuf). 2.Korrespondent gazety"N'yu-York Times" (for Dzheymys).
(Algeria--Politics and government)

PARASCHIV, Nicolae, fierar-betonist; BUSUIOC, Dumitru, maistru; BRIN, Mihai,
malaxorist

Rostrum of excellent workers. Constr Buc 15 no.722:1 9 N '63.

RUMANIA

A. TELNICEANU, I. SOLOMON, C. BUSHIUC, E. TOMI, M. CONSTANTINESCU and M. POPESCU, Public Health Office of Capital City (Sanepidul capitalei), and Department of Epidemiology of College of Medicine and Pharmacy Catedra de epidemiologie a Institutul de medicina si farmacie,) Bucharest.

"Seroneutralizing Poliomyelitis Antibodies in Infants Aged up to 1 Year in Bucharest City After Wide Use of Attenuated Live Vaccine."

Bucharest, Studii si cercetari de inframicrobiologie, Vol 14, No 3, 1963; pp 341-348.

Abstract [English summary modified]: There was essentially no difference in intensity and type of polio immunity among 66 infants which had never been vaccinated and 68 which had received Salk killed vaccine, 1 or 2 doses; but all of whom had been living with other family members who received Soviet imported live-attenuated vaccine during mass campaign in Bucharest in Spring 1961 (including all persons aged 1-30 years.) Three tables; 4 Rumanian and 8 Western references.

1/1

IVAN, I.M.; HUSUIOC, Carmen; CAZACU, E.; STOICESCU, Aterea

The profile of immunity to influenza viruses A2 and B (Rom.)
in children under 15 years of age in the city of Bucharest in
the winter of 1963-1964. Stud. cercet. inframicrobiol. 15
no.5:415-421 '64.

MIHALCU, Florica, dr.; TEINICEANU, A., dr.; CAZACU, E., dr.; BUSUIOC, Carmen, dr.; CIURES, Zenovia, dr.; RESTEANU, Cecilia, dr.

Epidemic of streptococcal pharyngitis of alimentary origin.
Microbiologia (Bucur) 9 no.6:531-538 N-D '64

1. Lucrare efectuata in Institutul de microbiologie, parazitologie si epidemiologie "Dr.I. Cantacuzino" si Inspectia de stat pentru igiena si protectia muncii, Bucuresti.

TELNICEANU, A.; SOLOMON, I.; BUSUIOC, C.; TOMI, E.; CONSTANTINESCU, M.;
POPESCU, M.

Research on the antipoliomyelitis seroneutralizing antibodies
in infants under 12 months of age in the city of Bucharest
after mass use of the modified live-virus vaccine.
Stud. cercet. inframicrobiol. 14 no.3:341348 '63.
(POLIOMYELITIS) (ANTIBODIES) (VACCINATION)
(POLIOVIRUS VACCINE, ORAL)

SPINU, I.; TEINICEANU, A.; SOLOMON, I.; HORZOGEA, Gita; BUSUIOC, Carmen;
VASILIU, Cristina; DUVAN, Xenia; POPESCU, P.; CAZACU, E.; ION, R.

Epidemiological considerations on occupational ornithotic infections.
Stud. cercet. inframicrobiol. 15 no.1:15-20 '64.

IVAN, I.M.; CAZACU, E.; BUSUIOC, Carmen; STOICESCU, Atena; CAZACU, E.

Sero-epidemiological observations on influenza in students in the winter of 1963-1964 in the city of Bucharest. Studii cercet. inframicrobiol. 15 no.6:523-527 '64

RUMANIA

616.921.5

BUSUIOC, Carmen, CAZACU, E., and VASILIU, Victoria, of the Medical-Pharmaceutical Institute (Institutul de Medicina si Farmacie), Bucharest.

"A Focus of Influenza A₂ in a Bucharest School During March 1965."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol. 17, No 4, 66, pp 293-298

Abstract: The authors describe an outbreak of type A₂ influenza in a Bucharest elementary school with a registration of 625 children. The outbreak was characterized by sudden appearance, small attack rate, prevalence of light forms and absence of complications. The etiology of the outbreak was confirmed by serological and virological studies.

Includes 2 figures, 5 tables and 8 Rumanian references. --
Manuscript submitted 6 February 1966.

1/1

TIRDEA, C.; CRUCEANU, M.; BUSUIOC, Gh.; IFRIM, S.

Anthocyanic substances in some varieties of vines, studied with the aid of absorption spectrophotometry. Comunicarile AR 11 no.10: 1257-1263 0 '61.

1. Comunicare prezentata de Gherasim Constantinescu, membru corespondent al Academiei R.P.R.

MARTON, G., Cand. in stiinte; TIRICA, Gh., ing.; CIONTESCU, Gh., ing.;
BUSUIOC, V.

Construction of a polygon for checking the photoaerial chambers.
Rev geodezie 7 no.3:31-37 '63.

SUCIU, S., ing.; BUSUIOCESCU, C., ing.

Drilling with the ZIF 650 A installation in the Jiu Valley.
Rev min 13 no.7:318-321 J1 '62.

SUCIU, S., ing.; BUSUIOCESCU, C., ing.

Efficiency of drilling performed with the ZIF-1200 A equipment in the
Jiu Valley. Rev min 13 no.10:469-473 0 '62.

L 64354-65 EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/EWP(1) JD

ACCESSION NR: AP5023136

RU/0007/64/015/012/0638/0651

AUTHOR: Busuiocescu, C. (Engineer) ^{44 55}

TITLE: Contributions to the study of drill stems with optimum section for mechanical coring with hard alloys ¹⁸

SOURCE: Petrol si gaze, v. 15, no. 12, 1964, 638-651

TOPIC TAGS: drilling machine, ¹⁴ alloy, machine tool, solid mechanical property

Abstract [Author's English summary modified]: In mechanical coring by means of hard alloys the critical buckling length of the drill stem is low and their use is not possible because of the low weight on the bit. The perpendicular force on the wall of the well hole attains values of hundreds of kilograms force which cause rapid wear of the stems, enlargement of holes in poorly cemented rocks, and other inconveniences. The force exerted on the walls can be reduced by 25-35 percent by building heavy stems whose outer diameter equals that of the coring pipe and with a larger inner diameter, without reducing their weight per unit length. Orig. art. has 15 figures, 40 formulas, and 10 tables.

ASSOCIATION: none

Card 1/2

L 64354-65

ACCESSION NR: AP5023136

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 002

OTHER: 005

JPRS

Card 2/2

MANICATIDE, E. T., dr.; PETRESCU COMAN, V., conf.; PAUN, Florica; BUSULENGA, C.;
TEODORU, I.; ENE, Adela

Clinical aspects of pleuropulmonary staphylococci in children. Micro-
biologia (Bucur) 6 no.1:30 Ja-F '61.

PETRESCU COMAN, V., conf.; MANICATIDE, E.T.; PAUN, Florica; VATASESCU BUTUCEA, Lucia; BUSULENGA, Carmen; VILCU BOJINCA, Ioana

Considerations on the treatment of pleuropulmonary staphylococci in children. Microbiologia (Bucur) 6 no.1:35-36 Ja-F '61.

1. Clinica de pediatrie a Spitalului de copii "Gr. Alexandrescu", Bucuresti.

BUSURIN, M. Ya., Candidate Agric Sci (diss) -- "The biological aspects of the development of cherry seeds under the conditions of Moscow Oblast". Moscow, 1959. 18 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, No 26, 1959, 127)

BUSURIN, M.Ya., starshiy nauchnyy sotrudnik, kand. sel'skokhoz. nauk

Some biological characteristics of sour cherry seeds. Izv. ISKHA
no.4:88-100 '64. (AFRA 17-11)

1. Plodovaya opyt'naya stantsiya Sel'skokhozyaystvennoy akademii
imeni Timiryazeva.

GUDKOV, A.; BUSURIN, Ya.; IOFE, N.; PALKIN, G., kand. sel'khoz. nauk;
TUNITSKIY, A., red.; KOROTAYEVA, D., tekhn. red.

[Manual on private livestock and poultry raising] Spravochnik
po individual'nomu shivotnovodstvu i ptitsevodstvu. Moskva,
Izd-vo VTsSPS Profizdat, 1946. 182 p. (MIRA 14:8)
(Stock and stockbreeding) (Poultry)

BUSURIN, YA. A.; BLIZNICHENKO, V.A.

"Daghestan mountain breed of fine-wooled sheep," Sots. zhiv. 14 no. 8 Ag 1952

Stalin prize winner (zootechnician)

BUSURIN, ^VIA. A.

Distinguished shepherds. Moskva, Gos. izd-vo kul'turno-prosvetitel'noi lit⁴ry, 1954.
7 p. (Vsesoiuznaia sel'sko-khoziaistvennaia vystavka)

1. Sheep - Russia

BUSURIN, Ya.A., redaktor; YEMEL'YANOV, S.L., redaktor; YESAULOV, P.A., redaktor; KRYLOV, G.A., redaktor; LITOVCHENKO, G.P., redaktor; SOROKIN, A.M., redaktor; KLETCHENKO, A.V., redaktor; ROMANOVICH, Ye.F., redaktor; SUCHIK, Ye.V., redaktor; PAVLOVA, M.M., tekhnicheskii redaktor

[For highly productive sheep breeding; materials of the All-Union Conference on Sheep Breeding, held in the Great Kremlin Palace in Moscow, November 14-18, 1955] Za vysokoproduktivnoe ovtsevodstvo; materialy Vsesoiuznogo soveshchaniia po ovtsevodstvu, proiskhodivshogo v Moskve, v Bol'shom Kremlevskom dvortse 14-18 noiabria 1955 g. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 418 p. (MLRA 9:10)

1. Vsesoyuznoye soveshchaniye po ovtsevodstvu, Moscow, 1955. 2. Chlen kolegii Ministerstva sel'skogo khozyaystva SSSR (for Yesaulov). (Sheep breeding--Congresses)

GELLER, Yu.A., doktor tekhn.nauk, prof.; BUSURINA, I.A., inzh.

Stability of residual austenite in hypereutectoid steel. Metalloved.
i term. obr. met. no.6:39-43 Je '62. (MIRA 15:7)

1. Moskovskiy stankoinstrumental'nyy institut.
(Steel--Metallography) (Eutectics)

Busurina, I. V.

BUSURINA, I. V.

"The Diagnosis, Course, and Treatment of Tuberculosis in the Bones of Adult Patients Suffering From Pulmonary Tuberculosis." Cand Med Sci, Acad Med Sci USSR, 22 Dec 54. (VM, 10 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions.
SO: Sum. No. 556 24 Jun 55

BUSURINA, I.V., kandidat meditsinskikh nauk

Association of various forms of tuberculosis with lesions of the bones
and joints and their therapy. Probl.tub. 34 no.6 supplement:30-31
N-D '56. (MLBA 10:2)

1. Iz Instituta tuberkuleza AMN SSSR (dir. Z.A.Lebedeva)
(TUBERCULOSIS, OSTEOARTICULAR, complications,
pulm. tuberc., ther. (Rus))
(TUBERCULOSIS, PULMONARY, complications,
osteoarticular tuberc., ther. (Rus))

LEBEDEVA, Z.A.; SOROKINA, Z.A.; BUSURINA, I.V.; KUZNETSOVA, Ye.S.

The nature of healing in osteoarticular tuberculosis in adults.
Probl.tub. 38 no.6:31-36 '60. (MIRA 13:11)

1. Iz kostnotuberkuleznogo otdeleniya dlya vzroslykh (zav. Z.A. Lebedeva) Instituta tuberkuleza AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. N.A. Shmelev).
(BONES—TUBERCULOSIS)

VOLOSEVICH, P.P. (Moskva); KURDYUMOV, S.P. (Moskva); BUSURINA, L.N.
(Moskva); KRUS, V.P. (Moskva)

Solution of a one-dimensional plane problem involving the
motion of a piston in an ideally heat-conducting gas. Zhur.
vych.mat.i mat.fiz. 3 no.1:159-169 Ja-F '63. (MIRA 16:2)
(Gas dynamics)

BUSYARINA, V.P., dotsent

Clinical characteristics of sporadic brucellosis in children.
Vop. okh. mat. i det. 5 no. 2:54-58 Mr-Apr '60. (MIRA 13:10)

1. Iz kafedry detskikh bolezney Omskogo meditsinskogo instituta
imeni M.I. Kalinina.

(BRUCELLOSIS)

BUSYATSKAYA L. A.

MEIT, Georgiy Yakovlevich; YUR'YEV, Nikolay Mikhaylovich; BUSYATSKAYA, L.A.,
inzh.retsenzent; SOCHINSKIY, A.R., inzh., retsenzent; BOGINSKIY,
M.N., ekonomist, red.; SALIANSKIY, A., red.izd-va; MATVEYEVA, Ye.N.,
tekhn.red.

[Planning in machinery manufacturing factories] Planirovanie na
mashinostroitel'nom zavode. Moskva, Gos. nauchno-tekhn.izd-vo
mashinostroit. lit-ry, 1957. 243 p. (MIRA 11:4)
(Machinery industry)

BUSYATSKAYA, L. A.

New forms for the organization of economic work in enterprises
of the Moscow City Economic Council. Biul. tekhn.-ekon. inform.
Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 3:72-73 '63.
(MIRA 16:4)
(Moscow--Industrial management)

BUSYGIN, A. (g.Sverdlovsk)

Enthusiastic admirer of new equipment. Sov.profsoiuzy 16 no.11:
24-25 Je '60. (MIRA 13:6)
(Sverdlovsk--Machinery industry)

BUSYGIN, A. T.

"Age Characteristics of Structure of the Ascending Branches of the Lower Mandible." Cand Med Sci, Moscow Medical Stomatological Inst, Moscow, 1953. (RZhBioł, No 5, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

Fusygin, A.G.

BUSYGIN, A.G., kandidat meditsinskikh nauk

Modifications in the length and width of the mandible with age.
Stomatologiya no.3:45-46 My-Je '55. (MLRA 8:9)

1. Iz kafedry ortopedicheskoy stomatologii (zav.prof. V. Yu. Kurlyandskiy) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir.dotsent G.N. Beletskiy)

(ANTHROPOMETRY,

mandibular measurements, age factor)

(MANDIBLE, anatomy and histology,

measurements, age factor)

(AGING, physiology,

age factor in mandibular measurements variation)

KURLYANDSKIY, Veniamin Yur'yevich, professor; BUSYGIN, A.T., redaktor;
BEL'CHIKOVA, Yu.S., tekhnichesskiy redaktor; SACHEVA, A.I., tekhnicheskiiy redaktor;

[Supplying dental prosthesis; manual for dentists-prosthesisists and students of medical and stomatological institutes] Protezirovanie bezzubnykh cheliustei; posobie dlia vrachei-proteziistov i studentov meditsinskikh stomatologicheskikh institutov. Moskva, Gos.izd-vo med. lit-ry, 1955. 207 p. (MLRA 9:2)
(DENTISTRY) (TEETH, ARTIFICIAL)

BUSYGIN, A.T. kand.med.nauk

Morphological characteristics of periodontoclasia in focal centers.
Stomatologiya 37 no.6:45-48 N-D '58 (MIRA 11:12)

1. Iz kafedry ortopedicheskoy stomatologii (zav. - prof. V.YU.
Kurlyandskiy) Moskovskogo meditsinskogo stomatologicheskogo instituta
(dir. dots. G.N. Beletskiy).
(GUMS—DISEASES)

BUSYGIN, A.T., kand.med.nauk

Age peculiarities in the location of the mandibular foramen. Stomatologia 38 no.5:42-43 S-O '59. (MIRA 13:3)

1. Iz Moskovskogo meditsinskogo stomatologicheskogo instituta (direktor - dotsent G.N. Beletskiy).
(JAWS)

BUSYGIN, Aleksey Terent'yevich; AKSEL'ROD, M.B., red.; AGZAMOV, K.,
tekhn. red.

[Problems in preventing deformations of the maxillo-dental
system and in the orthopedic treatment of amphodontosis
(parodontosis)] Voprosy profilaktiki deformatsii zucheliust-
noi sistemy i ortopedicheskogo lechenia amfodontoza (parodon-
toza). Tashkent, Gos.med.izd-vo M-va zdravookhraneniia UzSSR,
1961. 45 p. (MIRA 15:1)
(DENTAL PROSTHESIS) (GUM—DISEASES)

BUSYGIN, A.T.; FEDOTOVA, Z.G., red.; AGZAMOV, K., tekhn. red.

[Age-related characteristics of the structure of the ascending rami of the mandible] Vozrastnye osobennosti stroeniia voskhodiashchei vetvi nizhnei cheliusti. Tashkent, Medgiz UzSSR, 1961. 169 p. (MIRA 15:7)

(JAWS)

BUSYGIN, Aleksey Terent'yevich; AKSEL'ROD, M.B., red.; TSAY, A.A.,
tekh. red.

[Structure of the maxillary bones] Stroenie cheliustnykh
kosteï. Tashkent, Medgiz UzSSR, 1962. 105 p. (MIRA 16:7)
(JAWS)

BUSYGIN, E.P.; TUMAKAYEV, G.K.

Measuring the gas density behind a shock wave in a shock tube by means
of the electron beam method. Zhur. tekhn. fiz. 39 no.1:122-127 Ja '64.
(MIRA 17:1)

1. Fiziko-tekhnicheskiy institut imeni A.F.Ioffe AN SSSR, Leningrad.

AP 4009930

S/0057/64/034/001/0122/0127

AUTHOR: Busygina, E. P.; Tumakayev, O. K.

TITLE: Measurement of the gas density behind a shock wave in a shock tube by an electron beam method

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.1, 1984, 122-127

TOPIC TAGS: density measurement, gas density measurement, electron gas density measurement, rapid gas density measurement, shock waves, argon shock waves, shock tube, shock tube shock waves

ABSTRACT: An apparatus is described for rapidly measuring gas densities in the pressure range from 10^{-2} to 10^{-4} mm Hg by observing the change in electron beam current due to scattering by gas molecules. Density changes occurring in times of the order of a few microsec can be followed with an accuracy of 8 to 10 percent. The electron beam apparatus was mounted on a 3 x 30-cm rectangular shock tube and was employed to investigate the densities behind shock waves. The 30-keV electron beam was produced by an electron gun from a television kinescope. The beam entered the shock tube through a 1-mm opening covered by aluminum foil 5-microns thick. This

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foil successfully withstood a static pressure of one atmosphere and the dynamic effects produced by the passage of shock waves. After traversing the shock tube, the beam left via a 1.5-mm opening, also covered by aluminum foil, and impinged on a terphenyl-polystyrene scintillator. The scintillator was observed by a photomultiplier tube, the output of which was displayed on an oscilloscope. The apparatus was calibrated by static measurements. Gas densities behind shock waves in argon were measured with the apparatus described. Mach numbers from 3 to 10 were achieved, and measurements were made at distances between 38 and 320 cm from the point at which the shock was initiated. The density discontinuities at the shock fronts agreed with the theoretical values (within the 10% accuracy claimed for the measurements). An approximately linear increase in density with distance behind the shock front was observed. This increase extended throughout the heated region, and its rate varied both with the Mach number of the shock and with the distance from the shock initiation point. The density increase is believed to be related to the development of flow in the shock tube. An alternative explanation offered by R.E. Duff (Phys.Fluids,2,207,1959) for a similar (but not entirely identical) density rise is considered doubtful, because escape of gas from the shock tube into the electron gun was possible in Duff's experiments and was not taken into account. "The authors express their gratitude to Prof.Yu.A.Dunayev for his interest in the

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work, and to engineer B.I.Klyavo and technician Ye.M. Zubkov for assistance in constructing the apparatus and conducting the experiments." Orig.art.has: 1 formula and 6 figures.

ASSOCIATION: none

SUBMITTED: 08Dec62

DATE ACQ: 10Feb64

ENCL: 00

SUB CODE: PH

NR REF SOV: 002

OTHER: 011

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L 25494-66 EEC(k)-2/EWA(h)/EWI(1)/EWI(m)/ETC(f)/ENG(m)/T IJP(c) TT/AT/WH/JD/JG

ACC NR: AP6011402

SOURCE CODE: UR/0057/66/036/003/0533/0541

AUTHOR: Dunayev, Yu.A.; Yavor, I.P.; Busygin, E.P.

ORG: Physicotechnical Institute im. A.F. Ioffe, AN SSSR, Leningrad (Fiziko-
tekhnicheskii institut AN SSSR)

TITLE: On the low voltage cesium vapor arc

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 3, 1966, 533-541

TOPIC TAGS: electric arc, cesium, electron temperature, electron density,
cesium plasma, direct energy conversion, IR spectrum, electron temperature, spectral
line

ABSTRACT: The authors have investigated the visible and near infrared spectra of
low voltage hot cathode cesium vapor arcs. The investigation was undertaken because
of the technical importance of cesium arcs for the development of energy converters
and the presence in the literature of discordant data, particularly concerning electron
temperatures. The electrodes were of molybdenum; the 4 x 4 mm working faces were
plane and parallel. The cathode was of foil and was heated by direct current. The arc
parameters were varied over the following ranges: electrode spacing, 0.5-2 mm; cathode
temperature, 1400-1800° K; cesium vapor pressure, 0.5-5 mm Hg; current density, 2-20
A/cm². The dispersion of the type DFS-12 spectrometer was 5 A/mm in the second order
(3000-6000A) and 10 A/mm in the first order (6000-12 000 A). The FEU-38 photomultiplier
employed to record the spectra was sensitive from 3000 to approximately 9000 A. The

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arc was imaged at unit magnification on the spectrometer slit, which was parallel to the plane of the electrodes; conditions in the arc could thus be observed between the electrodes at different distances from them. Many cesium lines were observed in the spectrum. Electron temperatures were determined from line intensities in the sharp and diffuse series; the intensities were consistent with Boltzmann distribution of the level populations. The electron temperatures ranged from 1200 to 3000 or 4000° K. Electron concentrations were derived from the Stark broadening of lines of the fundamental series; electron concentrations of the order of 10^{14} or 10^{15} cm⁻³ were observed. A number of forbidden lines were recorded. Electron concentrations derived from the forbidden line intensities as suggested by L.I. Grechikhin and Ye.S. Tyunina (TVT, 1, 399, 1963) were considerably lower than those derived from the Stark broadening. In low current arcs the electron temperature increased almost linearly with distance from the cathode throughout the whole electrode gap. In higher current arcs the electron temperature at first increased more rapidly with distance from the cathode than in low current arcs, but this increase did not persist throughout the full gap and the electron temperature was nearly constant throughout most of the arc. The spectrum lines were most intense in a region of the arc somewhat closer to the cathode than to the anode. The electron density was maximum at a short distance from the cathode. The position of the electron density maximum shifted toward the cathode with increasing arc currents, and at the highest currents the presence of a maximum could not be established. The physical mechanisms responsible for the observed distributions are discussed briefly but no definite conclusions are reached. The fact that the maximum electron temperature and maximum electron density occur in different

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regions of the arc is difficult to explain without invoking stepwise ionization processes. The authors thank Ye.Ya.Shreyder for spectroscopic consultations, L.I. Grechikhin for making calculated data available to them, and B.Ya.Moyzhes and F.G.Baksht for discussions. Orig. art. has: 7 figures and 1 table.

SUB CODE: 20

SUBM DATE: 17Jun65

ORIG. REF: 004

OTH REF: 009

Card 3/3

BUSYGIN, G.A.

Mlds for large cast iron boilers. Lit.proizv. no.11:43 N '61.
(Molding (Founding)) (Boilers) (MIRA 14:10)

BUSYGIN, G.M.; SIZIKOV, O.A.; USHAKOV, N.T.

Accelerated gluing in the manufacture of skis. Der. prom.
14 no.8:21-22 Ag '65. (MIRA 18:10)

1. Tyumenskiy institut "NIIPLESREV".

BUSYGIN, I.G.

Making and using an apparatus for forming peat-humus pots.

Politekh. obuch. no.5:71-74 My '58.

(MIRA 11:5)

1. Svechinskaya semilitnyaya zheleznodorozhnaya shkoal Kirovskoy oblasti.

(Farm equipment)

BUSYGIN, Ivan Vasil'evich, inzh.; PAVLOV, Yuriy Vladimirovich, inzh.;
PAVLUSHKOV, E.D., inzh., red.; VERINA, G.P., tekhn. red.

[Organization of shop repair of locomotives; from the experience
of the Michurinsk Locomotive Repair Shop] Organizatsiia
zavodskogo remonta parovozov; iz opyta Michurinskogo
parovozoremontnogo zavoda. Moskva, Gos. transp. zhel-dor. izd-vo,
1958. 55 p. (MIRA 11:12)
(Michurinsk--Locomotives--Maintenance and repair)

BUSYGIN, K.F., aspirant

Some data on the production of a fluorescent antisporal anthrax serum. Uch. zap. KVI 89:43-47 '62.

(MIRA 18:8)

1. Laboratoriya Nr. 2 (zav. - prof. Kh.C.Gizatullin) Kazanskogo veterinarnogo instituta.

L 31301-66 EWT(1)/T JK

ACC NR: AP6022591

(A,N)

SOURCE CODE: UR/0346/66/000/001/0109/0111

AUTHOR: Kurochkin, V. I. (Candidate of medical sciences); Busygin, K. F. (Junior scientific collaborator); Gumerov, N. K. (Junior scientific collaborator); Nuriyev, G. G. (Junior scientific collaborator) 28 B

ORG: Kazan' Veterinary Institute (Kazanskiy veterinarnyy institut)

TITLE: Complement-fixing antibodies in blood serum of rabbits immunized against foot-and-mouth disease

SOURCE: Veterinariya, no. 1, 1966, 109-111

TOPIC TAGS: antigen, antibody, blood serum, rabbit, foot and mouth disease, vaccine, immunization, gamma globulin

ABSTRACT: Complement-fixing antibodies were found in the sera of 11 rabbits immunized (subcutaneous inoculation in the spine and in one or all paws) with GNKI (State Scientific Control Institute) dry foot-and-mouth disease vaccine (Type 0) by the complement fixation test in the cold. The strength of immunogenesis and the content of gamma-globulins in blood serum were greater with injection in the paw than in the spinal region; these phenomena indicate the important role of the lymph nodes in the synthesis of foot-and-mouth disease complement-fixing antibodies. The virus of the GNKI vaccine, in spite of its reduced virulence, retains complement-fixing activity, and the authors consequently conclude that the vaccine can be used as antigen in complement fixation. Orig. art. has: 1 table. /JPRS/

SUB CODE: 06 / SUBM DATE: none / OTH REF: 002 / OTH REF: 002

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UDC: 619:616.988.43-097.37:636.92

LINDENAU, N.I., inzh.; MOSKALENKO, P.I., inzh.; ⁴LOFATKIN, G.P., inzh.;
BUSYGIN, K.K., kand.tekhn.nauk

About the M.A. Krainkov's article "Calculating air in accordance
with gas content and controlling the ventilation of workings."
Bezop. truda v prom. 5 no.8:12-14 Ag '61. (MIRA 14:8)

1. Kombinat Kuzbassugol' (for Lindenau, Moskalenko, Lopatkin).
2. Nachal'nik otdela ventilyatsii i gaza Makeyevskogo nauchno-
issledovatel'-skogo instituta, g. Makeyevka, Stalinskoy oblasti
(for Busygin).

(Mine ventilation)
(Krainikov, M.A.)

BUSYGIN, K.K., kand.tekhn.nauk

Comments on K.A.Efremov's article "Gas conditions in coal mines and their classification by gas." Bezop.truda v prom. 7 no.7:30-31 J1 '63. (MIRA 16:9)

1. Nachal'nik otдела ventilyatsii i gaza Makeyevskogo nauchno-issledovatel'skogo instituta po bezopasnosti rabot v gornoy promyshlennosti.
(Mine gases)
(Efremov, K.A.)

BUSYGIN, K.K.; BOBROV, A.I.

Methods of calibrating anemometers. Trudy MakNII 15:68-80 '63.
(MIRA 17:11)

BUSYGIN, N.

The output of building materials is growing. Prom.koop. 13
no.9:31 S '59. (MIRA 13:1)

1. Zamestitel' nachal'nika proizvodstvenno-tekhnicheskogo
otdela oblpromsoвета, g.Penza.
(Building materials industry)

YUKHVETS, I.A.; PETROV, M.N.; BUSYGIN, N.N.; BELIK, V.F.;
BYKADOROV, A.T.

Hardening of rolled wire rod from the rolling temperature
by water cooling prior to coiling. Stal' 23 [i.e. 24] no.4:
364-366 Ap '64. (MIRA 17:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii im. Bardina i zavod "Krasnaya Etna".

BUSYGIN, N.P.

Device for adjusting and bleeding hydraulic brakes of motor trucks.
Sbor.vnedr.rats.pred. v les. i mek.prom. no.2:142-144 '59..
(MIRA 13:8)

1. Ufimskiy domostroitel'nyy fanernyy kombinat.
(Hydraulic brakes)

BUSYGIN, N.P.

Safeguard for circular saws used in cutting plywood. Der.
prom. 8 no.6:26 Je '59. (MIRA 12:8)

1. Ufinskiy domostroitel'no-fanernyy kombinat.
(Circular saws--Safety appliances)

BUSYGIN, N.P.

Ceiling psychrometer. Der. prom. 8 no.10:21 0 '59.
(MIRA 12:12)

1. Ufimskiy domostroitel'no-fanernyy kombinat.
(Psychrometers)

BUSYGIN, N.P., inzh.

Wind relay in drying chambers. Der.prom. 9 no.6:25 Je '60.
(MIRA 13:8)

(Drying apparatus)

BUSYGIN, H.P.

Dowel cutter. Der.prom. 9 no.8:2/4 Ag.'60.

(MIRA 13:8)

1. Ufimskiy domostroitel'no-fanernyy kombinat.

(Woodworking machinery)

(Dowels)